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TITLE: OPTICAL FIBER AMPLIFIER AND OPTICAL
COMMUNICATION SYSTEM
USING THE SAME

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide an optical fiber amplifier having a flat and wide band gain spectrum and an optical communication system.

SOLUTION: The optical fiber amplifier is characterized by having two laser light sources 5a, 5b to generate excited lights with mutually different

wavelength and a tellurite fiber 1 to be excited by the
excited light from the
two laser light sources and by the fact that an absolute
value of difference
between the number of waves of the excited lights from the
two laser light
sources is 125 to 290 cm

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